

Release notes for ENDF/B Development n-050\_Sn\_112  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=5025, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=5025, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      256 TO      330
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=5025, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=5025, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      256
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5025, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      332
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      460
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      491
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      522
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      540
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 17  
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 549

8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 22  
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 554

9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 28  
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 568

10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 51 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 51  
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 579

11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 52 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 52  
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 597

12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 53 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 53  
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 614

13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 54 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 54  
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 630

14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 55 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 55  
SECTION 3/ 55 NOT IN DIRECTORY RECORD NUMBER 646

15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 56 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 56 | RECORD NUMBER | 662 |
| SECTION 3/ 56 NOT IN DIRECTORY            |               |     |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 57 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 57 | RECORD NUMBER | 677 |
| SECTION 3/ 57 NOT IN DIRECTORY            |               |     |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 58 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 58 | RECORD NUMBER | 692 |
| SECTION 3/ 58 NOT IN DIRECTORY            |               |     |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 59 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 59 | RECORD NUMBER | 707 |
| SECTION 3/ 59 NOT IN DIRECTORY            |               |     |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 60 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 60 | RECORD NUMBER | 721 |
| SECTION 3/ 60 NOT IN DIRECTORY            |               |     |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 61 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 61 | RECORD NUMBER | 735 |
| SECTION 3/ 61 NOT IN DIRECTORY            |               |     |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 62 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 62 | RECORD NUMBER | 749 |
| SECTION 3/ 62 NOT IN DIRECTORY            |               |     |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 63 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 63 | RECORD NUMBER | 762 |
| SECTION 3/ 63 NOT IN DIRECTORY            |               |     |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 64 (0): Directory (b)*

- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 64 |                   |
|  | SECTION 3/ 64 NOT IN DIRECTORY            | RECORD NUMBER 775 |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 65 (0): Directory (b)*
- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 65 |                   |
|  | SECTION 3/ 65 NOT IN DIRECTORY            | RECORD NUMBER 788 |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 66 (0): Directory (b)*
- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 66 |                   |
|  | SECTION 3/ 66 NOT IN DIRECTORY            | RECORD NUMBER 800 |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 67 (0): Directory (b)*
- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 67 |                   |
|  | SECTION 3/ 67 NOT IN DIRECTORY            | RECORD NUMBER 812 |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 68 (0): Directory (b)*
- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 68 |                   |
|  | SECTION 3/ 68 NOT IN DIRECTORY            | RECORD NUMBER 824 |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 69 (0): Directory (b)*
- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 69 |                   |
|  | SECTION 3/ 69 NOT IN DIRECTORY            | RECORD NUMBER 835 |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 70 (0): Directory (b)*
- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 70 |                   |
|  | SECTION 3/ 70 NOT IN DIRECTORY            | RECORD NUMBER 846 |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 71 (0): Directory (b)*
- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 71 |                   |
|  | SECTION 3/ 71 NOT IN DIRECTORY            | RECORD NUMBER 856 |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 72 (0): Directory (b)*

- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 72 |               |     |
|  | SECTION 3/ 72 NOT IN DIRECTORY            | RECORD NUMBER | 866 |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 73 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 73 |               |     |
|  | SECTION 3/ 73 NOT IN DIRECTORY            | RECORD NUMBER | 876 |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT= 91 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT= 91 |               |     |
|  | SECTION 3/ 91 NOT IN DIRECTORY            | RECORD NUMBER | 885 |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT=102 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT=102 |               |     |
|  | SECTION 3/102 NOT IN DIRECTORY            | RECORD NUMBER | 894 |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT=103 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT=103 |               |     |
|  | SECTION 3/103 NOT IN DIRECTORY            | RECORD NUMBER | 919 |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT=104 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT=104 |               |     |
|  | SECTION 3/104 NOT IN DIRECTORY            | RECORD NUMBER | 935 |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT=105 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT=105 |               |     |
|  | SECTION 3/105 NOT IN DIRECTORY            | RECORD NUMBER | 947 |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT=106 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=5025, MF= 3, MT=106 |               |     |
|  | SECTION 3/106 NOT IN DIRECTORY            | RECORD NUMBER | 957 |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT=107 (0): Directory (b)*

- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=5025, MF= 3, MT=107 |                   |
| SECTION 3/107 NOT IN DIRECTORY            | RECORD NUMBER 970 |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 3, MT=111 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=5025, MF= 3, MT=111 |                   |
| SECTION 3/111 NOT IN DIRECTORY            | RECORD NUMBER 986 |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 2 (0): Directory (b)*
- |  |                   |
|--|-------------------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 2 |                   |
| SECTION 4/ 2 NOT IN DIRECTORY            | RECORD NUMBER 999 |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 16 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 16 |                    |
| SECTION 4/ 16 NOT IN DIRECTORY            | RECORD NUMBER 1211 |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 17 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 17 |                    |
| SECTION 4/ 17 NOT IN DIRECTORY            | RECORD NUMBER 1222 |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 22 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 22 |                    |
| SECTION 4/ 22 NOT IN DIRECTORY            | RECORD NUMBER 1233 |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 28 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 28 |                    |
| SECTION 4/ 28 NOT IN DIRECTORY            | RECORD NUMBER 1244 |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 51 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 51 |                    |
| SECTION 4/ 51 NOT IN DIRECTORY            | RECORD NUMBER 1255 |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 52 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 52 | RECORD NUMBER | 1278 |
| SECTION 4/ 52 NOT IN DIRECTORY            |               |      |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 53 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 53 | RECORD NUMBER | 1301 |
| SECTION 4/ 53 NOT IN DIRECTORY            |               |      |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 54 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 54 | RECORD NUMBER | 1324 |
| SECTION 4/ 54 NOT IN DIRECTORY            |               |      |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 55 | RECORD NUMBER | 1347 |
| SECTION 4/ 55 NOT IN DIRECTORY            |               |      |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 56 | RECORD NUMBER | 1370 |
| SECTION 4/ 56 NOT IN DIRECTORY            |               |      |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 57 | RECORD NUMBER | 1393 |
| SECTION 4/ 57 NOT IN DIRECTORY            |               |      |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 58 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 58 | RECORD NUMBER | 1416 |
| SECTION 4/ 58 NOT IN DIRECTORY            |               |      |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 59 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 59 | RECORD NUMBER | 1439 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 60 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 60 | RECORD NUMBER | 1462 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 61 | RECORD NUMBER | 1485 |
| SECTION 4/ 61 NOT IN DIRECTORY            |               |      |
57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 62 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 62 | RECORD NUMBER | 1508 |
| SECTION 4/ 62 NOT IN DIRECTORY            |               |      |
58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 63 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 63 | RECORD NUMBER | 1531 |
| SECTION 4/ 63 NOT IN DIRECTORY            |               |      |
59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 64 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 64 | RECORD NUMBER | 1554 |
| SECTION 4/ 64 NOT IN DIRECTORY            |               |      |
60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 65 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 65 | RECORD NUMBER | 1577 |
| SECTION 4/ 65 NOT IN DIRECTORY            |               |      |
61. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 66 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 66 | RECORD NUMBER | 1600 |
| SECTION 4/ 66 NOT IN DIRECTORY            |               |      |
62. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 67 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 67 | RECORD NUMBER | 1623 |
| SECTION 4/ 67 NOT IN DIRECTORY            |               |      |
63. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 68 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 68 | RECORD NUMBER | 1646 |
| SECTION 4/ 68 NOT IN DIRECTORY            |               |      |
64. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 69 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 69 | RECORD NUMBER | 1669 |
| SECTION 4/ 69 NOT IN DIRECTORY            |               |      |
65. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 70 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 70 | RECORD NUMBER | 1692 |
| SECTION 4/ 70 NOT IN DIRECTORY            |               |      |
66. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 71 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 71 | RECORD NUMBER | 1715 |
| SECTION 4/ 71 NOT IN DIRECTORY            |               |      |
67. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 72 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 72 | RECORD NUMBER | 1738 |
| SECTION 4/ 72 NOT IN DIRECTORY            |               |      |
68. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 73 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 73 | RECORD NUMBER | 1761 |
| SECTION 4/ 73 NOT IN DIRECTORY            |               |      |
69. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 4, MT= 91 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 4, MT= 91 | RECORD NUMBER | 1784 |
| SECTION 4/ 91 NOT IN DIRECTORY            |               |      |
70. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 5, MT= 16 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5025, MF= 5, MT= 16 | RECORD NUMBER | 1808 |
| SECTION 5/ 16 NOT IN DIRECTORY            |               |      |
71. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 5, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 5, MT= 17  
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 1858

72. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 5, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 5, MT= 22  
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 1873

73. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 5, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 5, MT= 28  
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 2094

74. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5025, MF= 5, MT= 91 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5025, MF= 5, MT= 91  
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 2216

- **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 112. L = 1 / STRENGTH FUNCTION IS 6.89245E-05 / STRENGTH FUNCTION 6.89245E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ISOTOPE MASS = 112. L = 1
STRENGTH FUNCTION IS 6.89245E-05
STRENGTH FUNCTION 6.89245E-05
... [1 more lines]
```

- **groupie** Errors:

1. Very small elastic cross section found  
*0: Small elastic*

```
Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)
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ENDF/B Input and Output Data Filenames
ENDFB.IN
ENDFB.OUT
... [97 more lines]
```

- **fudge-4.0** Warnings:

1. Missing a channel with a particular angular momenta combination  
*resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel*

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"  
 WARNING: Missing a channel with angular momenta combination L = 1, J = 0.5 and S = 1.5 for "capture"  
 WARNING: Missing a channel with angular momenta combination L = 1, J = 1.5 and S = 1.5 for "capture"  
 WARNING: Missing a channel with angular momenta combination L = 1, J = 2.5 and S = 1.5 for "capture"

2. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.45%

3. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 1: (z,n) (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.15%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.  
*reaction label 25: n[multiplicity:'2'] + Sn111 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -10319988.90234375 eV vs -1.07931e7 eV!

2. Calculated and tabulated Q values disagree.  
*reaction label 26: n[multiplicity:'3'] + Sn110 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -18492216.01341248 eV vs -1.89762e7 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 27: n + H1 + In111 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -7086711.894042969 eV vs -7546630. eV!

4. Calculated and tabulated Q values disagree.  
*reaction label 28: Sn113 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 8210887.708236694 eV vs 7745390. eV!

5. Calculated and tabulated Q values disagree.  
*reaction label 29: n + He4 + Cd108 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1366059.578735352 eV vs -1.8289e6 eV!

6. Calculated and tabulated Q values disagree.  
*reaction label 30: H1[multiplicity:'2'] + Cd111 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -5442573.976333618 eV vs -5915170. eV!

7. Calculated and tabulated Q values disagree.  
*reaction label 31: H1 + In112\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 584945.2200775146 eV vs 124467. eV!

8. Calculated and tabulated Q values disagree.  
*reaction label 32: H2 + In111\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -4862145.793106079 eV vs -5236510. eV!

9. Calculated and tabulated Q values disagree.  
*reaction label 33: H3 + In110\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8596967.280853271 eV vs -9123450. eV!

10. Calculated and tabulated Q values disagree.  
*reaction label 34: He3 + Cd110\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -4700376.286590576 eV vs -5164830. eV!

11. Calculated and tabulated Q values disagree.  
*reaction label 35: He4 + Cd109\_s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 5961357.389862061 eV vs 5.5362e6 eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (0): GROUPT/conver (0)*

---message from conver---cannot do complete particle production for mt= 16  
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (1): GROUPT/conver (0)*

---message from conver---cannot do complete particle production for mt= 17  
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (2): GROUPT/conver (0)*

---message from conver---cannot do complete particle production for mt= 22  
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (3): GROUPT/conver (0)*

---message from conver---cannot do complete particle production for mt= 28  
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended

to goad evaluators to improve things!

*grouppr...compute self-shielded group-averaged cross-sections (4): GROUPE/conver (0)*

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---message from conver---cannot do complete particle production for mt= 91  
only mf4/mf5 provided
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